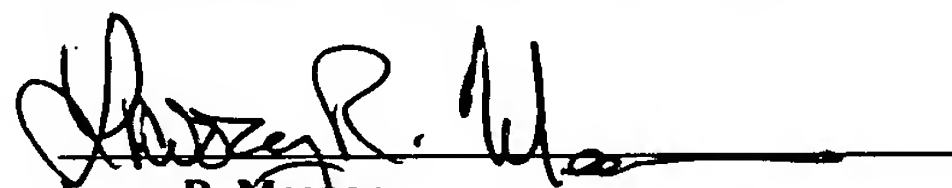

CERTIFICATE OF MAILING BY EXPRESS MAIL

I hereby certify that, on the date shown below, this correspondence is being deposited with the United States Postal Service as Express Mail No. EV191491070US, in an envelope addressed to the Mail Stop Patent Application, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

Date: July 21, 2003


Larry R. Meenan

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Application of:)	
KENNETH G. DEROCHÉ et al.)	Group Art Unit (to be assigned)
)	
Serial No. (to be assigned))	
)	Examiner To be assigned
Filed: July 21, 2003)	
)	
For: MILLING CUTTER WITH)	Attorney Docket K-1851
TANGENTIALLY MOUNTED)	
INSERTS)	

July 21, 2003

Mail Stop Patent Application
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicant(s) submit herewith patents, publications or other information, of which they are aware and that they believe may be material to the examination of this application, and in respect of which, there may be a duty to disclose. The Information Disclosure Statement submitted herewith is being filed:

- ☒ under 37 CFR 1.97(b); within three (3) months of the filing of a national application; within three (3) months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing date of a first Office Action on the merits; or before the mailing of a first office action after the filing of a request for continued examination under § 1.114, whichever event occurs last.
- ☐ under 37 CFR 1.97(c); after three (3) months of the filing of a national application, or the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; or after the mailing date of a first Office Action on the merits, whichever occurred last but before the mailing date of either a Final Action under 37 CFR 1.113, or a Notice of Allowance under 37 CFR 1.311, whichever occurs first. Also submitted herewith is:

- ☐ a statement as specified in 37 CFR 1.97(e); or
- ☐ the fee of \$180.00 set forth in 37 CFR 1.17(p) for submission of an Information Disclosure Statement under 37 CFR 1.97(c) to be paid as provided below.
- ☐ under 37 CFR 1.97(d); after a Final Action under Section 1.113, or a Notice of Allowance under Section 1.311, whichever occurs first, but before, or simultaneously with, the payment of the issue fee. Submitted herewith is a statement as specified in 37 CFR 1.97(e) and the fee of \$180.00 set forth in 37 CFR 1.17(p) to be paid as provided below.

STATEMENT UNDER 37 CFR 1.97(e)

- ☐ This is a statement under the provisions of 37 CFR 1.97(e) in the above-identified application.
- ☐ Statement Under 37 CFR 1.97(e)(1) - Each item of information contained in the accompanying information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filing of the information disclosure statement.
- ☐ Statement Under 37 CFR 1.97(e)(2) - No item of information contained in the accompanying information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned person, after making reasonable inquiry, no item of information contained in the accompanying information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement.

PRIOR APPLICATIONS

- ☐ This application relies, under 35 U.S.C. 120, on the earlier filing date of prior application(s):

Serial No. _____, filed on _____.

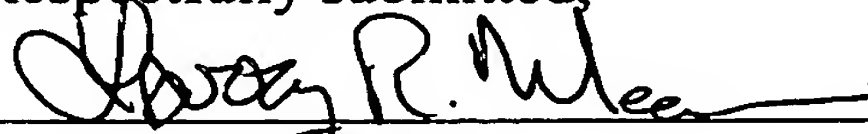
Serial No. _____, filed on _____.

Those references listed on the attached form and not submitted herewith were submitted to, and/or cited by, the Office in the prior application(s) identified above and therefore, are not required to be provided in this application.

FEES

- ☐ A check in the amount of _____ is attached.
- ☒ The Assistant Commissioner is hereby authorized to charge any fees that may be required by this submission and to credit Deposit Account No. 11-0508 any overpayment. A duplicate copy of this sheet is enclosed.

Respectfully submitted,



Larry R. Meenan
Attorney for Applicant(s)
Reg. No. 33,423
Date: July 21, 2003

Kennametal Inc.
P.O. Box 231
Latrobe, PA 15650
(724) 539-5485 Phone
(724) 539-5903 Fax

Please type a plus sign (+) inside this box → ☐

Approved for use through 10/31/2001. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995 no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	
				Filing Date	July 21, 2003
				First Named Inventor	Kenneth G. DeRoche
				Group Art Unit	
				Examiner Name	
Sheet	1	of	2	Attorney Docket Number	K-1851

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ²			
		6,238,146		Satran et al.	05-29-2001	
		6,227,772		Heinloth et al.	05-08-2001	
		6,217,263		Wiman et al.	04-17-2001	
		6,203,251		Oppelt et al.	03-20-2001	
		6,190,096		Arthur	02-20-2001	
		6,171,031		LaFlamme	01-09-2001	
		6,053,673		Swift et al.	04-25-2000	
		5,957,755		LaFlamme	09-28-1999	
		5,957,633		Hall	09-28-1999	
		5,924,824		Satran et al.	07-20-1999	
		5,911,548		Deiss et al.	06-15-1999	
		5,876,160		Johnson	03-02-1999	
		5,788,427		Zitzlaff et al.	08-04-1998	
		5,741,095		Charron et al.	04-21-1998	
		5,704,736		Giannetti	01-06-1998	
		5,676,505		Gauss et al.	10-14-1997	

FOREIGN PATENT DOCUMENTS							
Examiner Initials	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴				
		Germany	811 177	DE	Eduard Ifanger	07-08-1949	
		Germany	2 258 448	DE	Jones et al.	08-30-1973	
		Germany	37 25 154 A1	DE	Mitsubishi	02-11-1988	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.

{W0058183.1}

Please type a plus sign (+) inside this box → ☐

Approved for use through 10/31/2001. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995 no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	
				Filing Date	
				First Named Inventor	
				Group Art Unit	
				Examiner Name	
Sheet	2	of	2	Attorney Docket Number	K-1851

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ²			
		5,658,100		Deiss et al.	08-19-1997	
		5,209,611		Drescher	05-11-1993	
		5,078,550		Satran et al.	01-07-1992	
		5,114,282		Pawlik	05-19-1992	
		5,035,546		Pawlik	07-30-1991	
		4,692,070		Shikata	09-08-1987	
		4,597,695		Johnson	07-01-1986	
		4,294,565		Erkfritz	10-13-1981	
		3,701,187		Erkfritz	10-31-1972	
		3,708,843		Erkfritz	01-09-1973	

FOREIGN PATENT DOCUMENTS							
Examiner Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office ³	Number ⁴	Kind Code ⁵			

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.

{W0058183.1}